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**November 1997**



**FIRST CLASS MAIL**

**Pikes Peak Radio Amateur Association, Inc.**  
**P.O. Box 16521**  
**Colorado Springs, Colorado 80935**

1 Renew before 03/31/98  
 RONALD DEUTSCH  
 NKØP  
 4305 RIDGELANE DR.  
 COLO. SPGS., CO 80918



# O-Beat



## Pikes Peak Radio Amateur Association Officers and Directors

President: Greg Tarcza WA2OOD 897-7864  
 Vice-Pres: Les Borst KC8NC 634-3995  
 Secretary: Al Vrooman N8CMW 520-5650  
 Treasurer: Rob Roller N7LV 282-0254  
 O-Beat Ed: Bill Pierce KD0JU 550-0406  
 Board Mbr: Bill Petty N0NIX 532-1439  
 Board Mbr: Ron Deutsch NK0P 593-8352  
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\*This Officer/Director is completing the second year of the two-year term to which they were elected.

The O-Beat is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see the last page of this publication. Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6. These rates are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA page on the World Wide Web! Go to: <http://www.qsl.net/ppraa>

Deadline for submission of articles or advertisements is the 20th of each month. Submissions are accepted in any form. Articles should be sent directly to the O-Beat Editor (email to kd0ju-1@juno.com is preferred.) Permission is granted to reprint articles provided credit is given to both the author and this publication.

### License Exams

License examinations sponsored by the Pikes Peak Radio Amateur Association are held on the 2nd Saturday of February, April, June, August, October, and December.

Testing takes place at 9 A.M. at:

Denver Technical College  
 225 South Union  
 Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. \$6.25 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.

3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.

4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KG0XE at 596-5345. Please do not call Denver Technical College.

### Committee Chairpersons/Contacts

|                       |                  |        |          |
|-----------------------|------------------|--------|----------|
| O-Beat Editor         | Bill Pierce      | KD0JU  | 550-0406 |
| Activity              | Renay Boyes      | KA0ROY | 577-6029 |
| Auditing              | Any Volunteer's? |        |          |
| Asset                 | Mike Stansberry  | K0TER  | 636-1290 |
| Historian             | Jody Borst       | KA0ROZ | 634-3995 |
| Interference          | Bill Petty       | N0NIX  | 532-1439 |
| Membership            | Les Borst        | KC8NC  | 634-3995 |
| Programs              | Aaron Pelouze    | KD6FLM | 282-9715 |
| Publicity             | Ron Deutsch      | NK0P   | 593-8352 |
| Public Service        | Mike Stansberry  | K0TER  | 636-1290 |
| Swapfest '98          | Carlos Caro      | KB0REI | 632-1569 |
| Technical Instruction | Linda Hedges     | KB0RKW | 520-9238 |
| VE Testing            | Erik Mugele      | KG0XE  | 596-5345 |

### Other Organizational Liaisons

|               |                 |       |          |
|---------------|-----------------|-------|----------|
| ARES Liaison  | Mike Stansberry | K0TER | 636-1290 |
| CCARC Liaison | Ron Deutsch     | NK0P  | 593-8352 |
| RACES Liaison | Bryan Curl      | N0LUF | 575-8400 |

### Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at the Mt Calvary Lutheran Church, 1318 N. Circle Drive. The meeting will start at 7 PM.

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## Old Fashion Country Christmas Party ANNOUNCEMENT

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### Where:

Colorado Opry & Music Hall  
2475 East Pikes Peak

When: Saturday December 13,  
1997 at 6:00 P.P.

Given by: The PPRAA

Come enjoy an evening of fun  
entertainment and good food.  
There will be a choice of main  
meals. Your drink and show  
tickets are included.

Give Renay Boyes (641-1837) or  
Jody Borst (634-3995) a call to  
reserve your spot today. Tickets  
are \$10 each, you will receive \$7  
back the day of the event.  
(Guests are full price - \$16).

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## ANNOUNCEMENT

for NEW and Old members

---

The November PPRAA meeting  
place (Mt Calvary Church) will  
be opened at 6:30, WBØMHP,  
Doug has agreed to set up an  
operational HF station. All are  
welcome to come and observe  
and/or operate. Special  
invitation to new hams who  
would like to see an operational  
HF station.

---

## ANNOUNCEMENT

Please welcome new member

Curtis Knott KB2ZVX

---

The following need to contact  
the Treasurer.

Michael KBØVWG  
David KBØTSP

We enjoyed having you with us.  
Come back soon.

Jennie KBØQFY  
Harvey K1JU  
Michael KBØUWN  
Chuck KEØWTX  
Treena KBØWTY  
Thomas KBØYCP  
Jim KIØAD

---

## President's Corner

Thanks to all of you for having  
enough faith to elect me to be  
your President for the coming  
year. The past year has been a  
rough one with the move to a  
new meeting location and  
some hard business decisions.  
Jeff Boyes has done an fantastic  
job of leading us through these  
problems and running the  
monthly meetings over the past  
year. I've got some big shoes  
to fill (figuratively, Jeff!), and this  
column is probably a good place  
to let you know my thoughts on  
how I will try to fill them.

I don't think I would be much of  
a leader if I didn't have some  
goals in mind for myself and the  
club. Rather than state some  
quantifiable results (sounds way  
too formal), let me give you a

more general idea of things that I  
would like to see.

1. More interesting programs and  
activities to attract members,  
newbies and other folks to the  
meetings. This doesn't mean  
overseeing the job of "program  
chairman", but rather to have an  
occasional added feature at the  
meetings. For example, for the  
November meeting, I have asked  
Doug, WBØ MHP to set up an  
operational HF station from  
6:30PM until 7:00PM for the  
benefit of the newer hams, Techs  
and Tech-lites and anyone else  
who might be interested.

2. Increased participation by club  
members. This is a very general  
statement because I think there  
are many different opportunities.  
How about helping out with  
some area of the swapfest this  
year? There are many new hams  
in need of an Elmer. I would be  
happy with something as simple  
as a suggestion in our new  
suggestion box about what you  
would like to see us do, change  
or improve.

3. Concentrate on a few outside  
activities that we can do and do  
well. Examples of those  
activities include the swapfest,  
Field Day and the Pikes Peak Hill  
Climb. The complete list of  
activities may include one or two  
more items, but let's not go much  
further than that.

The meeting attendance has been a bit low lately, and that is attributable not only to moving the meeting location, but also to some external politics. My personal plan is to lose the old baggage! Past history is just that, history. Let's take the easy-to-learn lessons from that history and move on. There are many more opportunities for PPRAA to grow, learn and help others just as in the past. Some of these opportunities may not look quite the same as we are used to seeing, but they are there and more significant than ever. With a little help from everybody, I think we can take advantage of a few of them.

Now that I have told you what I had in mind for us, let me add that I hate to write and I am going to have a heck of a hard time coming up with material for the next Ø-beat! See you at the meeting!

Greg, WA2OOD

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### General Membership Meeting October 8, 1997

The meeting was called to order by Jeff, NØJLH, at 7:08 PM. Visitors were welcomed and members introduced themselves. Minutes of the September general and board meeting were

accepted as printed in Ø-Beat. Rob gave the Treasurer's report. Expenses for September were \$275.86, Income was \$79.00 leaving a balance from all sources as \$6291.17. Les presented a suggestion box to the club. He will be the only person with access to it and will report the suggestions anonymously to the board. Bill and Moe went to the CCARC meeting and reported to the members that Tim, WBØTUB, was the featured speaker. The topic was the duties of the ARRL Section Manager. The next meeting date was not set at the meeting. Jody presented a bag of commemorative coins from the 1983 games held in Colorado Springs. Any club member who participated in that event should see her for a coin. Linda announced the code class starting Oct 21st 7PM to 9PM. For information contact her at KBØRKW@juno.com. The class needs donations of straight keys.

The club beam antenna was located and is now in the clubs custody. Ron, NKØP, volunteered to take the vacant Publicity committee chair. Rob presented HAMMY to David, KBØYSN, who recently passed his 20 WMP code test and won the IC706 at the MARC swapfest. The three by-laws changes that were published in last months Ø-Beat were passed unanimously after considerable

discussion. The Articles of Incorporation were amended as presented with the exception of one change; the word "exclusively" was stricken from Paragraph 1, Section 1. A copy of the new articles will be available to any member requesting one. After much discussion the vote to accept the amended Articles was passed unanimously. After a break, election of club officers was held. President Greg, WA2OOD—acclamation. Vice-President Les, KCØNC—acclamation, Secretary Al, NØCMW—acclamation, Treasurer Rob, N7LV—acclamation. There was one board position to elect. The following members were nominated: Bill, NØNJX; Renay, KAØROY; Margee, KC6NEJ; Doug, WBØMHP. The new member is Bill, NØNJX. The next Board meeting will be at Ron's (NKØP) 7PM October 13th. Doug, WBØMHP made the following motion: "Motion to donate to each of the school districts 2, 11, 20, 49, Science Departments \$1000 each for use in acquiring equipment such as lab e.g. and computers for science education." After a lengthy discussion the motion was tabled for more detailed information. This will remain an open motion and can be reactivated by any member at any future club meeting. The meeting adjourned at 9:05 PM.



Submitted by Ron, NKØP, Club Secretary.

## Board Meeting Minutes, 13 Oct 1997

Board meeting met at Ron's, NKØP, house. Present were NØCMW, WA2OOD, WB7WHT, NØJLH, KAØROY, KAØROZ, KCØNC, NØNIX, KBØSXC, KDØJU, WBØRTF. Meeting called to order at 19:00 by the President, WA2OOD. He would like to see more club participation by all club members. Jeff, NØJLH, reported a copy of club stolen report on way to him and he would follow up when he got it by looking in stolen property storage for club generator. It was brought up we should publicize the club on various nets, Ron and Moe said they would do so. Motion was made by Rob WB7WHT and second by Les KCØNC for club to buy up to 10 code keys not exceeding \$10.00 each, the more get donated to club less to buy for code classes and to remain property of club. Title of club trailer was transferred to ARES and Rob will contact insurance company about a refund on insurance, Rob will also apply for state raffle license for swapfest. Motion was made to mail out flyer about Christmas party to all

members, motion passed Renay will do so, also send notice out by Email.

Next meeting we will have door prizes for donation. Meeting adjourned at 20.30.

Submitted by Al NØCMW

## Treasurer's Report for period ending 9/30/97

For the general fund:

79.00 - 275.86 = (196.86)

Income - Expenses = Gain/(Loss)

Contact me for a more detailed report.

501(c)(3): Most of us know by now that the members at the last meeting voted all in favor of amending the articles and the bylaws to support the 501c3 application. That will be forthcoming. However, the articles approved were not the same articles that Marshall recommended, since the members present voted to remove the word "exclusively" from the articles.

After consulting with Marshall, we can't do that and expect the the 501c3 application to be approved. Therefore at the next meeting I'll move to include it again. According to Marshall, here's why it must be in there.

I'll try to remember his words, but basically he says the purpose must state that we're organized "exclusively" for educational and charitable purposes. This word "exclusively" is necessary to sufficiently limit our stated purposes. However, it DOES NOT limit our activities. As long as our primary purpose remains the same, we're allowed to conduct incidental activities, such as swapfests, dinners, parties. As long as we don't take any money received as donations and distribute it directly to the club members, we're all right.

As far as the IRS is concerned, if we don't sufficiently limit the purpose (not the activities, just the purpose), then we don't get the tax status. If we simply say our purpose is charitable and educational, related to amateur radio, we leave it open to have other purposes, such as operating a commercial broadcast station. If this were the case, we wouldn't get the status.

But by stating that we're organized "exclusively" for the stated purposes, the IRS knows that we are not planning to have other purposes such as operating a broadcast station, but we still can have incidental activities such as a swapfest, etc.

If you have any questions at all, you can reach Marshall at his

Denver office, or via e-mail at [ag0x@arrl.org](mailto:ag0x@arrl.org). His office phone number is 303-331-3456.

**Raffle:** I've sent away for a raffle license but have not received it yet. As soon as I get that we'll get on with printing tickets, etc. If you have any comments or suggestions for the raffle or the swapfest in general, please contact Carlos KBØREI. And don't forget that he's arranged a monthly swapfest planning meeting on the 1st Saturday of each month at the COS police station, Falcon Division at 1000. Please attend, as we need everyone's support and assistance.

**Internet:** I have a treasurer's web page at <http://www.qsl.net/n7lv/treasury.htm>. Not much there right now, but I'll try to keep it fairly current with my ongoing activities.

## VE Test Results

Here are the results of the regular VE session held on 11 October.

Total applicants: 6  
2 upgrades to Extra  
1 upgrade to General  
1 upgrade to Technician  
1 Element 2 credit earned

73,  
Erik Mugele, KGØXE  
[erik@teuton.org](mailto:erik@teuton.org)

[mugele@rmii.com](mailto:mugele@rmii.com)

## OM/YL LUNCH BUNCH

November 20th is the date for the November Lunch Bunch get together. We will meet at noontime at the Hometown Buffet located at The Shops of the Bluffs, 3650 Austin Bluffs.

We had 16 attend in October. You buy your own lunch, but if you don't do lunch come and have coffee with us and hang out for a while.

73  
WAØMNL, Rosie 471-9965

## FROM THE HISTORIAN

Does anyone know when the following took place.

BUCKINGHAM, Iowa (AP)  
—Guy Mitchell, who will enter kindergarten this fall, proclaims in the da-da-dit lingo his novice ham radio license allows him to send that he is the youngest ham in the world. "I don't know," says Guy's father, Wade, 37. "There might be some 3-year old kid in Russia who does this. But I've never heard of him."

Guy is 5. On June 28 the Federal Communication Commission issued him a license saying he was the youngest ham in the United States.

Several years ago an Indiana boy was granted a license at the

age of 5 years 7 months, but Guy has him beat by five months

Guy's call letters are  
WDØDVX.

## JOTA

a big success.

Thanks for all the support from those attending and from the HAM community in general. I don't know of anyone that did not have a good time.

Although the number of Scouts was less than we predicted, we had a good turn out of over 60. We've generated a lot of interest in Amateur Radio within the Scout ranks and non-Amateur attendees alike! (They're asking about classes!)

We're starting to work on next years JOTA, October 16th and 17th (Friday and Saturday). This location is already scheduled, and plans to expand activities and realstate are already in the works! (We're even going to take down some power lines.)

7  
If you have pictures, PLEASE let me know. We are going to produce a poster that will be displayed at Scouting events and in the Scout office(s). (I did not get any pictures of Girls Scouts... anyone?)

I'm sorry I did not use every Ham that showed up. I tried to get enough people for 3 deep per station, but the number of Scouts did not require this. We are looking at having 10 times the number next year... 600 scouts plus scout masters, den leaders and girl scout leaders.... we'll need a lot of help.

73s

Thanks for a GREAT time!  
Dan (kb0ppm)

### Some thoughts on JOTA ... deWA0MNL

Jamboree On the Air is an event for Scouts, but I think the local Hams that participated had the most fun. It was a rewarding endeavor. KB0FNM, Russ, KB2ZVX, Curtis and I set up a VHF station. We gave away radio magazines and took some radiograms. We were so busy with VHF operations we were so glad N0CYR, Jake and others were doing the messaging. As Scouts, parents and leaders came up we answered their questions about Ham radio, 2 meters etc. And of course I had to show off my QSL collection. We had a lot of VHF radios and Curtis had installed a antenna on the RV roof. We invited the scouts to talk to each other. One scout seemed very interested in getting on the air to talk to a buddy. I

handed him the mike and his first words were "Mayday Mayday"...so we had to have a little talk about that. Then he told his buddy that he really liked my CB Radio. So we had another little talk. hi

We needed to offer a better CW set up. A scout and his father who also was a scout leader said they wanted the scout to make a CW contact. They said the boy knew his code and was anxious to make two contacts for his radio badge. WL7LZ, Mark had a hand key. We used his HF Rig speaker and sent code over the two meter band. We were on simplex so had the band to ourselves. For the other code key KD0JU, Bill suggested we send cw on the touch tone pad on the 2 meter mike. So with some ingenuity we had a CW set up and the scout made his two contacts. We made his day and we felt pleased that we could help out. KB0REI, Carlos went home and got his code oscillator and that helped to show code to the visitors. There seemed to be a lot of interest in CW (I'm glad). WB0RTE, Moe did a great job talking to the scouts. All the help we had running the VHF station was very much appreciated thanks to all who helped make JOTA a success.

Looking ahead to next year..I decided we need more chairs and more apple pie.  
73, WA0MNL, Rosie

(P.S. Lots more apple pie, Rosie!! , Ed.)

### Jamboree On the Air

A very BIG thank-you to everyone you participated in JOTA! We had a very successful day. The Scouts had a good time and hopefully some of them will get their Ham Licenses. There was a lot of work involved planning JOTA, setting up, and tearing down, but everything came off without a hitch. For you early planners, go ahead and mark your calendars for the third weekend in October. Jerry Hulsey, the Scoutmaster for Troop 287, has already OK'd it with the Church Pastor to put JOTA on for next year. Again thanks everyone, this weekend was a success because of all of the hard work and dedication from the area Hams.  
73 Ginger N0UOD  
Dan Scott KB0PPM

JOTA: Although JOTA isn't part of the treasurer's duties, it is a great amateur radio/scout event, and this year's was a heck of a lot of fun! I'd like to commend Dan Scott KB0PPM for getting this one organized, and since he's

already got approval to use the same location next year, for already starting to work on next year's. I counted at least 25 hams involved in some way, and I think it'd be great to get a couple dozen more involved next year.

## CMRG Incorporates

Most of us have, from time to time, used the Cheyenne Mountain Repeater Group's repeaters. They've put together quite a system of linked repeaters covering Colorado Springs, parts of Park County, and a link to the Zia Link to the south. The CMRG was put together by Chuck Chambon NØCAM quite a few years ago as a personal project. The "members" then helped to support the system through repeater dues.

However, the CMRG was not a formally recognized group until October 18 when, at its annual meeting, the members approved a charter and bylaws, which will be used to incorporate it as a nonprofit in Colorado. They also elected their first set of directors: Dave Novotny WA6IFI, Perry Jager NØWMZ, Charlie Parker NØIER, Fred Sontag KAØWIE, Wayne Kimmel KA9SIM and Dave Sloan NØEOP. One other director will be appointed as technical director. CMRG operates the 147.345, 448.0,

448.1 repeater in COS, the 147.36 repeater on Fremont Peak, and a remote base link to Zia, which serves a good part of Western Texas, New Mexico, Arizona and some parts of SE California. For more information about the CMRG or for information on joining the CMRG, contact Dave or Perry or Cliff Mikkelsen NØZUQ at [cmrg@juno.com](mailto:cmrg@juno.com), or write to CMRG, PO Box 50331, Colorado Springs, CO 80949.

## Vanity Fun

by N7LV

Couldn't resist seeing what the Gate 3 vanity calls are looking like. Over 500 new calls were issued when the first hams to apply for Gate 3 got their calls. I thought it'd be interesting to try to guess why some of these folks chose the calls they did.

Here goes.

I wonder if these guys are farmers or just like to eat!

|                    |       |
|--------------------|-------|
| BENNETT, WILLIAM G | N6PIG |
| TREVISIOL, MARK A  | N7EAT |

Some others just like the X in their calls.

|                       |       |
|-----------------------|-------|
| BONADIO, STEVEN P     | W1XXX |
| OSBORNE, LAWRENCE J   | WT4XX |
| WELLBORN JR, GEORGE G | WB5XX |
| WILSON, W SCOTT       | KZ2XX |

I'll bet this'll sound like W6E on the air.

|                   |       |
|-------------------|-------|
| CHERNUS, RONALD L | W6EEE |
|-------------------|-------|

A patriotic bunch.

|                         |        |
|-------------------------|--------|
| COLLIVER, CHRISTOPHER T | WØ8USA |
| FURER, JOSEPH G         | KK7USA |
| PHARIS, CHARLES R       | KA6USA |

Alot of folks with their initials:

|                      |       |
|----------------------|-------|
| CROFOOT JR, GEORGE W | W5GWC |
| CUSTER, KEVIN K      | W3KKC |
| DAMON, DAVID N       | K4DND |
| DANIEL, RICHARD L    | W4RLD |
| DOBROWANSKY, ERIC S  | KK2ED |
| DODELL, DAVID S      | K7DSD |
| MICKELSON, MAYNARD M | W8MMM |

A matching set of initials:

|                     |       |
|---------------------|-------|
| LOWRANCE, KENNETH D | KØKDL |
| LOWRANCE, LLOYD D   | KØLDL |

A shiner, perhaps?

|               |       |
|---------------|-------|
| DAHL, EDWIN R | K7FEZ |
|---------------|-------|

Mad about something?

|                |       |
|----------------|-------|
| DUNN, MARVIN L | KØMAD |
|----------------|-------|

Computer literate, I'll bet.

|               |       |
|---------------|-------|
| ESTEP, GARY L | K6BBS |
|---------------|-------|

What's in a name is also in a call:

|                       |        |
|-----------------------|--------|
| RUBIN, RONALD L       | K3RON  |
| HIMES, RONALD E       | K5RON  |
| HOESTEN, RAYMOND J    | KC2RAY |
| BAKER, ROBERT C       | WØROB  |
| FRIEDRICH, ROBERT E   | W1BOB  |
| MC MAHAN, ROBERT H    | W5BOB  |
| MONTAGNE JR, ROBERT F | K2BOB  |



|                     |        |
|---------------------|--------|
| HARPER, REX M       | W1REX  |
| NEAL, KENNETH F     | K5KEN  |
| HUDELSON, KENNETH V | K0KEN  |
| NOWAK SR, KENNETH F | K8KEN  |
| KONTOR, KENNETH C   | W8KEN  |
| KRONEN, DONALD A    | K4DON  |
| MOREHEAD, LEE A     | W5LEE  |
| NENTWIG JR, LEO L   | W4LEO  |
| MOSS, JAMES I       | N9JIM  |
| FAY, JOHN A         | K7FAY  |
| GEE, ROBERT M       | W4GEE  |
| GIN, KENNETH K      | K6GIN  |
| HAMILTON, RONALD W  | WB4HAM |
| KOBY, KEVIN F       | K5OBY  |

Economy minded, probably  
tracks his gas mileage:

|                    |       |
|--------------------|-------|
| ECONOMOS, RONALD J | K6MPG |
|--------------------|-------|

W-1-1, or W-ONE-ONE:

|                   |       |
|-------------------|-------|
| GRAICHEN, GLENN E | W1ONE |
|-------------------|-------|

Maybe a few pilots:

|                      |       |
|----------------------|-------|
| GROOM, LAWRENCE W    | W0FLY |
| BAKER, JACKIE R      | K4AIR |
| LAZAROFF, MICHAEL S  | K3AIR |
| RINGEISEN, MICHAEL D | W9AIR |

Simple-minded folks, or maybe  
school teachers:

|                     |       |
|---------------------|-------|
| HACHADORIAN, J. R.  | K7ABC |
| JOHNSTON, PHILLIP A | W0ABC |
| MACKAY, ROBIN S     | W7ABC |
| PENTA, ANTHONY J    | W1ABC |

Wants you to know their favorite  
operating habits:

|                        |       |
|------------------------|-------|
| JESSEN, NEIL A         | N6VHF |
| SPENCER II, ELMER C    | W8VHF |
| VANDERBEKE, LAWRENCE J | W8UHF |
| STARACE, RANDY E       | KK7TV |

|                        |       |
|------------------------|-------|
| KENNY, THOMAS E        | NJ2DX |
| NJ DXer                |       |
| KERRIGAN, MARY A       | NM5DX |
| NM DXer                |       |
| LINGER III, NICHOLAS D | WV8DX |
| WV DXer                |       |
| ROHRBACH, WILLIAM B    | NA5DX |
| WALKER, ROBERT W       | KX4DX |

Occupations, anyone?

|                     |       |
|---------------------|-------|
| RUTHERFORD, JAY L   | W1EMT |
| STEFANO JR, JAMES V | W2COP |

Don't leave out the wives:

|                |       |
|----------------|-------|
| LANE, EVONNE M | W5XYL |
|----------------|-------|

What about favorite hobbies or  
sports?

|                 |       |
|-----------------|-------|
| WOOD, CHARLES R | K4TEE |
| YOUNG, LYNN R   | K7HAM |

Twilight Zone Ham:

|                 |       |
|-----------------|-------|
| PUCKETT, CARL H | K7UFO |
|-----------------|-------|

This is only a temporary call:

|                      |       |
|----------------------|-------|
| SCHLESSINGER, MARC H | W3TMP |
|----------------------|-------|

## CW Classes Underway from KB0RKW

Classes for Morse code only  
started Tuesday October 21 at  
1900. During this Tue/Thu class  
students will construct a code  
practice oscillator which will  
be used for practice at home, or  
can be plugged into some 2  
meter HTs like the Radio Shack  
HTX-202 to send modulated CW  
for on-the-air code practice.

Straight keys have been provided  
by the PPRAA and its members.  
They're loaned to the students  
and will be returned to the class  
at the end of the course. If all  
goes as planned, in about 4  
weeks the students will be far  
enough along to be sending  
Morse code on 2-meters. Pat  
Conner KB0REF and Frank  
have produced code practice  
tapes so the students can study  
code

whenever possible, and they've  
distributed some shareware  
programs to study code using  
their computer. Anyone  
interested in elmering these  
students as they progress  
towards their Tech Plus or higher  
license? Please contact Frank  
McNally KF0WF or Pat Conner  
KB0REF on the CSARA  
146.625 repeater.

Thanks to the Tesla Society for  
providing the class room in their  
museum at 2220 E Bijou.

## MARC Adds New Repeater

The Mountain Amateur Radio  
Club has added yet another  
repeater to their growing system  
of repeaters providing coverage  
to Teller County. The Teller  
Connection, as it is known, now  
includes a 146.685- repeater on  
Badger Mountain, near  
Wilkerson Pass. This

complements their current system of repeaters on 146.82-, 147.015+ in Cripple Creek, and 448.65-. All repeaters may require a 107.2 Hz tone.

## Do a Good Deed:

There is a Veterans organization that needs your cancelled postage stamps. The stamps are used in a project at the hospital. Just tear or cut the stamp off the envelope, I like to include the postmark and some of the surrounding area as some letter cancellations contain a public service message and those are used also.

This same organization is asking for used greeting cards for a hospital project. Please discard any writing on them. Any and all cards are needed. The stamps and cards can be given to me at the club meeting and I will deliver them...or just give me a fone call 471-9965...also NØCMW, Al Vrooman has consented to accept them if I am absent from a club meeting.

Charlotte Kaltenstein, (XYL of NØIEM, Frank) belongs to a group that uses yarn to make things for local hospitals. If you have any spare yarn or material I'll deliver it to Charlotte.

Thanks.

WAØMNL, Rosie 471-9965.

If you sell any item, please email or call the editor to add to or discontinue your ad.

Thanks,  
Editor



Dits and Bits

For Sale:  
Portable Antenna base...  
KBØFNM, Russ...471-9965

- For Sale:
- Kenwood TS-830 & MC-50 mike \$500.
  - Ameritron AL-811 Amplifier \$450.
  - MFJ-202B RF Noise Bridge \$35.
  - MFJ-949B Versa Tuner II \$60
  - Heathkit HD-1410 Electronic Keyer \$15.
  - Digital VT-220 Terminal \$20.
  - Lear Seigler ADM-3A Dumb terminal \$5.

Contact: E.J., KDØNB, at 495-9007.

## From the Editor

I would like to thank the following people for articles and sales items submitted: President Greg, WA2OOD, Rob, N7LV;

Al, NØCMW; Erik, KGØXE, Rosie, WAØMNL; Dan, KBØPPM; Linda, KAØRKW; Jody, KAØROZ; Les, KCØNC. Hope I didn't miss anyone!

## ARLB063 FCC issues new Form 610

ZCZC AG63  
QST de W1AW  
ARRL Bulletin 63 ARLB063  
>From ARRL Headquarters  
Newington CT October 24, 1997  
To all radio amateurs

The FCC has announced that as of January 1, 1998, Amateur Radio applicants may only submit FCC Forms 610, 610 A and 610B that carry an edition date of September 1997. After the first of the new year, previous editions of Form 610 will not be accepted for filing by the FCC or by Volunteer Examiner Coordinators (VECs). Amateurs may begin using the new Form 610s now.

The major change on the new form is a certification that says the applicant has "read and will comply with Section 97.13(c) of the Commission's Rules" regarding RF radiation safety and the amateur service section of OST/OET Bulletin No 65, Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

But, Amateur Radio Supplement B of Bulletin 65, which has additional information on how to conduct a routine RF safety evaluation and explains other aspects of RF safety, is still in the draft stages and not yet available to the ham radio community. ARRL Executive Vice President David Sumner, K1ZZ, said it's essential that the FCC make Supplement B available in time for hams to complete their evaluations to meet the deadlines in the rules.

ARRL Lab Supervisor Ed Hare, W1RFL, who's been involved in reviewing the draft supplement, said he expects the FCC to release it sometime in November. "Above all, it is important that the required station evaluation be as easy as possible for hams," he said. "The FCC has pretty much met that goal. Additionally, most hams, by virtue of their power levels, will not need to do an evaluation at all."

Section 97.13(c) says that before you transmit "from any place where the operation of the station could cause human exposure to RF electromagnetic field levels in excess of those allowed," you have to perform a routine RF environmental evaluation if your transmitter PEP exceeds these limits: 160-40 meters, 500 W; 30 meters, 425 W; 20 meters, 225 W; 17 meters, 125 W; 15 meters, 100 W; 12 meters, 75 W; 10 meters, 50 W; VHF (all bands), 50 W; 70 cm, 70 W; 33 cm 150 W; 23 cm, 200

W; 13 cm 250 W, SHF/EHF (all bands) 250 W. If the routine environmental evaluation indicates that the RF Electromagnetic fields could exceed the maximum permissible exposure limits, you must take action to prevent human exposure.

The new Forms 610 may be obtained from the FCC Web site via the Internet at <http://www.fcc.gov/formpage.html>, at <ftp://ftp.fcc.gov/pub/Forms/> or by fax at 202-418-0177 (request index, or for Form 610 use form code 000610, for Form 610A use form code 006101, for Form 610B use form code 006102). The FCC Forms Distribution Center will accept FCC forms orders at 800-418-3676.

ARRL VEs and VE teams will be able to obtain a supply of the new Forms 610 in late November.

Individual amateurs may obtain a copy of the new Form 610 by sending a self-addressed, stamped envelope (SASE) to: ARRL/VEC, 225 Main St, Newington CT 06111. Include 32 cents postage for each Form 610 requested.

--- -- / --- --  
SB PROP ARL ARLP042  
ARLP042 Propagation de  
K7VVV

Judging from the high solar flux and sunspot activity over a month ago, recently we expected

to see more of that same activity, since the Sun rotates relative to Earth once every 27.5 days. Unfortunately by the time the rotation was complete, most of those active regions were gone.

This week we saw solar activity up only by a little. On five out of seven days the solar flux was above the average for the previous ninety days. Geomagnetic activity was up a lot though over last weekend, when the Estimated Planetary K Index was up to six over several periods. This is a very high value, indicating very stormy conditions with high absorption of radio signals.

The most recent forecast indicates a small rise in solar flux into the low nineties next week, peaking around October 22 and 23, then dropping back to the mid-eighties before the end of the month. In November look for unsettled to active geomagnetic conditions around the 5th and 6th.

The NOAA Space Environment Center reported that a panel of solar experts met recently and fixed the probable date for the recent solar minimum around October, 1996, with a possible range from May through December. Panelists believe that Cycle 23 should be a large cycle, but not as big as Cycle 19 in the late nineteen fifties. They expect it to peak around March, 2000, with a range from June, 1999 to January, 2001.

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